Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand comer of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' * M.P.E.P. § 601, 7th ed.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAIL STOP

Box Patent Application

Assistant Commissioner for Patents

Washington, D.C. 2023 P.O. Box 1450

A 22313-1450 NEW APPLICATION TRANSMITTAL ALEXANDRIA,

Transmitted herewith for filing is the patent application of

Inventor(s):

Denny George Constantine

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the cath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title): Rabid Animal Control Method

EXPRESS MAILING UNDER 37 C.F.R. § 1.10*

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date <u>July 19 , 2003</u>, in an envelope addressed to the Assistant Postal Service on this date July Commissioner for Patents, Washington, D.C. 20231 as "Express Mail Post Office to Addressee" Mailing

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Robert Charles Hill

(type or print name of person mailing paper)

Signature/of person certifying

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label

placed thereon prior to mailing. 37 C.F.R. 1.10(b). "Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will n t be granted on petition." N tice f Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(New Application Transmittal [4-1]-page 1 of 15)

- 2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)
- NOTE: "A nonprovisional application or international application designating the United States of America may claim an invention disclosed in one or more prior-filed copending nonprovisional applications or international applications designating the United States of America. In order for an application to claim the benefit of a prior-filed copending nonprovisional application or international application designating the United States of America, each prior-filed application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least one claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed application must be:
 - (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
 - (ii) Complete as set forth in § 1.51(b); or
 - (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or

(iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

Continuation.

Continuation-in-part (C-I-P).

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(New Application Transmittal [4-1]-page 2 of 15)

WARNING: 37 C.F.R. § 1.78(a)(2) deals with the time in which the claim for the benefit of an earlier filing date must be made and states:

- *(2)(i) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain a reference to each such prior-filed application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross references to other related applications may be made when appropriate (see § 1.14).
 - (ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filling date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and paragraph (a)(2)(i) of this section is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application for a design patent;
 - (B) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
 - (C) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
- (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.
- (iv) The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior-filed application. The identification of an application by application number under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number."
- NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICA-TION(S) CLAIMED.
 - The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

- A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application
 - 8 Pages of specification
 - 2 Pages of claims
 - 2 Sheets of drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identification of drawings. Identifying indicia, if provided, should include the title of the invention, inventor's name and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin." (complete the following, if applicable) ☐ The enclosed drawing(s) are photograph(s). NOTE: 37 C.F.R. 1.84 "(b) Photographs. "(1) Black and white. Photographs, including photocopies of photographs, are not ordinarily permitted in utility and design patent applications. The Office will accept photographs in utility and design patent applications, however, if photographs are the only practicable medium for Illustrating the claimed invention. For example, photographs or photomicrographs of: electrophoresis gels, blots (e.g., immunological, western, Southern, and northern), auto radiographs, call cultures (stained and unstained), histological tissue cross sections (stained and unstained), animals, plants, in vivo imaging, thin layer chromatography plates, crystalline structures, and, in a design patent application, omamental effects, are acceptable. If the subject matter of the application admits of illustration by a drawing, the examiner may require a drawing in place of the photograph. The photographs must be of sufficient quality so that all details in the photographs are reproducible in the printed "(2) Color photographs. Color photographs will be accepted in utility and design patent applications if the conditions for accepting color drawings and black and white photographs have been satisfied. See paragraphs (a)(2) and (b)(1) of this section. ☐ The enclosed drawing(s) are in color. Three (3) sets of color drawings and a "PETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. §§ 1.84(a)(2) and 1.84(b). NOTE: 37 C.F.R. 1,84(a) (2) Color. On rare occasions, color drawings may be necessary as the only practical medium by which to disclose the subject matter sought to be patented in a utility or design patent application or the subject matter of a statutory invention registration. The color drawings must be of sufficient quality such that all details in the drawings are reproducible in black and white in the printed patent. Color drawings are not permitted in international applications (see PCT Rule 11.13), or in an application, or copy thereof, submitted under the Office electronic filing system. The Office will accept color drawings in utility or design patent applications and statutory invention registrations only after granting a petition filed under this paragraph explaining why the color drawings are necessary. Any such petition must include the following: (i) The fee set forth in § 1.17(h); (ii) Three (3) sets of color drawings; (iii) A black and white photocopy that accurately depicts, to the extent possible, the subject matter shown in the color drawing; and (iv) An amendment to the specification to insert (unless the specification contains or has been previously amended to contain) the following language as the first paragraph of the brief description of the drawings: The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee." formal

☐ informal

B. Other Papers Enclosed

10 Pages of declaration and power of attorney plus 3 added pages

1 Pages of abstract

7 Other Add pages (37 CFR 1.78)

(New Application Transmittal [4-1]—page 4 of 15)

4. Ad	ditio	onal papers enclosed
[Amendment to claims
		☐ Cancel in this applications claims before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
		Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
(Preliminary Amendment
[Information Disclosure Statement (37 C.F.R. § 1.98)
NOTE:		7 C.F.R. § 1.97 (b) An information disclosure statement shall be considered by the Office if filed by e applicant within any one of the following time periods:
		(1) Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
		(2) Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;
		(3) Before the mailing of a first Office action on the merits; or
WARN	IING	In order to ensure consideration of information previously submitted but which has not been considered in the parent application, an applicant must resubmit the information, complying with 37 C.F.R. § 1.97 and 37 C.F.R. § 1.98, in the continuing application filed under 37 C.F.R. § 1.53(b). See § 609B(3), M.P.E.P., 7th Edition, Rev. 1.
[X	Form PTO-1449 (PTO/SB/08A and 08B)
[Citations
[]	Declaration of Biological Deposit
[Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
[Authorization of Attorney(s) to Accept and Follow Instructions from Representative
[Special Comments
[Other
5. Dec	clar	ation or oath (including power of attorney)
NOTE:	the by the bed de	newly executed declaration is not required in a continuation or divisional application provided that e prior nonprovisional application contained a declaration as required, the application being filed is all or fewer than all the inventors named in the prior application, there is no new matter in the oplication being filed, and a copy of the executed declaration filed in the prior application (showing a signature or an indication thereon that it was signed) is submitted. The copy must be accompanied a statement requesting deletion of the names of person(s) who are not inventors of the application sing filed. If the declaration in the prior application was filed under § 1.47, then a copy of that accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning erson under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently recuted declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)—(3).
NOTE:	is ab	declaration filed to complete an application must be executed, identify the specification to which it directed, identify each inventor by full name including family name and at least one given name, without abreviation together with any other given name or initial, and the residence, post office address and buntry or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 F.R. § 1.63(a)(1)–(4).
NOTE:	as is th	The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration prescribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under is paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name names of the inventor or inventors." 37 C.F.R. § 1.41(a)(1).

[23]	☑ Enclosed		
	Executed by		
		(check all applicable boxes)	
	₹ ir	nventor(s).	
		egal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.	
		pint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.	
		This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.	
	Not E	inclosed.	
tt m	ne U.S. a nay be tr	e filing is a completion in the U.S. of an International Application or where the completion of pplication contains subject matter in addition to the International Application, the application eated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.	
		application is made by a person authorized under 37 C.F.R. § 1.41(c) on ehalf of all the above named inventor(s).	
(The d	eclarat	ion or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently).	
	C	Showing that the filing is authorized. (not required unless called into question. 37 C.F.R. § 1.41(d))	
6. Invent	torship	Statement	
WARNING	owne	named inventors are each not the inventors of all the claims an explanation, including the ership of the various claims at the time the last claimed invention was made, should be nitted.	
The inve	entorst	nip for all the claims in this application are:	
\boxtimes	The s	ame.	
		or	
		ne same. An explanation, including the ownership of the various claims at me the last claimed invention was made,	
	☐ is	s submitted.	
	□ w	vill be submitted.	
7. Langu	-		
A. re	n Englis equired b	ation including a signed oath or declaration may be filed in a language other than English. In translation of the non-English language application and the processing fee of \$130.00 by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as may the Office. 37 C.F.R. § 1.52(d).	
X	Englis		
	Non-E	English	
	-	he attached translation includes a statement that the translation is accuate. 37 C.F.R. § 1.52(d).	

8. Assi	gnment		
	An assignment of th	e inv ntion to	
		separate "COVER SHEET FO PANYING NEW PATENT APPLIC ached.	
	☐ will follow.		
		d with a new application, send two separa " Notice of May 4, 1990 (1114 O.G. 77-:	
WARNIN		TIFICATE UNDER 37 C.F.R. § 3.73(b)" mad by an assignee. Notice of April 30, 19	
	This is a 🗌 continu	uation divisional application	and the assignment
	document for the pa	rent application 0 /	was filed
	on		
			Reel
			Frame
9. Certi	fied Copy		
Certifie	ed copy(ies) of applicat	ion(s)	
Coun	try	Appin. No.	Filed
Count	try	Appin. No.	Filed
Count	try	Appln. No.	Filed
rom which	ch priority is claimed		
	is (are) attached.		
	will follow.		
NOTE: 3	37 C.F.R. § 1.55 Claim for fo	oreign priority.	
	during the pendency of the of the application or sixtee period is not extendable. The as well as any foreign applied of the application for whice intellectual property authorical action of the property authorical property authorical action of the property authorical property authorical action of the property authorical authorical author	on filed under 35 U.S.C. 111(a), the claim application, and within the later of four men months from the filing date of the priciple claim must identify the foreign application for the same subject matter and the priority is claimed, by specifying the action for the same for the same subject matter and the priority is claimed, by specifying the action under 35 U.S.C. 111(a) if the application under 35 U.S	nonths from the actual filing date or foreign application. This time tion for which priority is claimed, having a filing date before that application number, country (or time periods in this paragraph
	(A) A design application; or	r	
	(B) An application filed bef	ore November 29, 2000.	
	• • • • •		
	priority under 35 U.S.C. 1 paragraph (a) of this section 119(a)-(d) or 365(a) is prese claim may be accepted if the number, country (or inteller	repted in accordance with the provisions 19(a)-(d) or 365(a) not presented within is considered to have been waived. If a cented after the time period provided by particular intentifying the prior foreign applicated by particular property authority), and the day, mostition to accept a delayed claim for pricanied by:	In the time period provided by claim for priority under 35 U.S.C. earagraph (a) of this section, the tion by specifying its application tonth, and year of its filing was

- (1) The claim under 35 U.S.C. 119(a)-(d) or 365(a) and this section to the prior foreign application, unless previously submitted;
 - (2) The surcharg set forth in § 1.17(t); and
- (3) A statement that the entire delay between the date the claim was due under paragraph (a)(1) of this section and the date the claim was filed was unintentional. The Commissioner may require additional information where there is a question whether the delay was unintentional."

NOTE: 37 C.F.R. § 1.63 Oath or declaration.

*(a) An oath or declaration filed under § 1.51(b)(2) as a part of a nonprovisional application must:

- (c) Unless such information is supplied on an application data sheet in accordance with § 1.76, the oath or declaration must also identify:
 - (2) Any foreign application for patent (or inventor's certificate) for which a claim for priority is made pursuant to § 1.55, and any foreign application having a filing date before that of the application on which priority is claimed, by specifying the application number, country, day, month, and year of its filing."

The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 C.F.R. § 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. § 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 C.F.R. § 1.16)

A. 🖾 Regular application

	CLAIMS A	S FILED		
Number filed	Number E	xtra	Rate	Basic Fee 37 C.F.R. § 1.16(a) \$750.00
Total Claims (37 C.F.R. § 1.16(c))	4 - 20 = 0	×	\$ 18.00	
Independent Claims (37 C.F.R. § 1.16(b))	2 - 3 = 0	×	\$ 84.00	
Multiple dependent clif any (37 C.F.R. § 1		+	\$280.00	
	nt cancelling extra claims			
☐ Fee for ext	ra claims is not being p	aid at thi	s time.	
prior to the expi	ra claims are not paid on filing the ration of the time period set for ficiency. 37 C.F.R. § 1.16(d).	ey must be r response	paid or the clair by the Patent a	and Trademark Office in any
	Filing Fee Calcu	lation		\$ 750.00

D.	u	(\$330.00—37 C.F.R. § 1.16(f))	
		Filing Fee Calculation	\$
C.		Plant application (\$520.00—37 C.F.R. § 1.16(g))	
		Filing fee calculation	\$

11. Assertion of Small Entity Status

Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27

NOTE: 37 C.F.R. § 1.27(c) deals with the assertion of small entity status, whether by a written specific declaration thereof or by payment as a small entity of the basic filing fee or the fee for the entry into the national phase and states:

- "(c) Assertion of small entity status. Any party (person, small business concern or nonprofit organization) should make a determination, pursuant to paragraph (f) of this section, of entitlement to be accorded small entity status based on the definitions set forth in paragraph (a) of this section, and must, in order to establish small entity status for the purpose of paying small entity fees, actually make an assertion of entitlement to small entity status, in the manner set forth in paragraphs (c)(1) or (c)(3) of this section, in the application or patent in which such small entity fees are to be paid.
- (1) Assertion by writing. Small entity status may be established by a written assertion of entitlement to small entity status. A written assertion must:
 - (i) Be clearly identifiable;
 - (ii) Be signed (see paragraph (c)(2) of this section); and
 - (iii) Convey the concept of entitlement to small entity status, such as by stating that applicant is a small entity, or that small entity status is entitled to be asserted for the application or patent. While no specific words or wording are required to assert small entity status, the intent to assert small entity status must be clearly indicated in order to comply with the assertion requirement.
- (2) Parties who can sign and file the written assertion. The written assertion can be signed by:
 - (i) One of the parties identified in § 1.33(b) (e.g., an attorney or agent registered with the Office), § 3.73(b) of this chapter notwithstanding, who can also file the written assertion;
 - (ii) At least one of the individuals identified as an inventor (even though a § 1.63 executed oath or declaration has not been submitted), notwithstanding § 1.33(b)(4), who can also file the written assertion pursuant to the exception under § 1.33(b) of this part; or
- (iii) An assignee of an undivided part interest, notwithstanding §§ 1.33(b)(3) and 3.73(b) of this chapter, but the partial assignee cannot file the assertion without resort to a party identified under § 1.33(b) of this part.
- (3) Assertion by payment of the small entity basic filing or basic national fee. The payment, by any party, of the exact amount of one of the small entity basic filing fees set forth in §§ 1.16(a), (f), (g), (h), or (k), or one of the small entity basic national fees set forth in §§ 1.492(a)(1), (a)(2), (a)(3), (a)(4), or (a)(5), will be treated as a written assertion of entitlement to small entity status even if the type of basic filing or basic national fee is inadvertently selected in error.
 - (i) If the Office accords small entity status based on payment of a small entity basic filing or basic national fee under paragraph (c)(3) of this section that is not applicable to that application, any balance of the small entity fee that is applicable to that application will be due along with the appropriate surcharge set forth in § 1.16(e), or § 1.16(f).
 - (ii) The payment of any small entity fee other than those set forth in paragraph (c)(3) of this section (whether in the exact fee amount or not) will not be treated as a written assertion of entitlement to small entity status and will not be sufficient to establish small entity status in an application or a patent."

WARNING: 37 C.F.R. § 1.27(c)(4): "Assertion required in related, continuing, and reissue applications. Status as a small entity must be specifically established by an assertion in each related, continuing and reissue application in which status is appropriate and desired. Status as a small entity in one application or patent does not affect the status of any other application or patent, regardless of th relationship of the applications or patents. The refiling of an application under § 1.53 as a continuation, divisi nal, or continuation-in-part application (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application, requires a new assertion as to continued entitlement to small entity status for the continuing or reissue application." "Small entity status must not be established when the person or persons signing the . . . statement **WARNING:** can unequivocally make the required self-certification." M.P.E.P., § 509.03 (emphasis added). (complete the following, if applicable) Status as a small entity was asserted in the prior application 09 / 779 771 filed on Feb. 8, 2001, from which benefit is being claimed for this application under: 35 U.S.C. § 🔲 119(e) **120** □ 121 ☐ 365(c) and which status as a small entity is still proper and asserted for this application. A copy of the written assertion of small entity filed in the prior application is included. NOTE: A refund based on establishment of small entity status, of a portion of fees timely paid in full prior to establishing status as a small entity may only be obtained if an assertion under § 1.27(c) and a request for a refund of the excess amount are filed within three months of the date of the timely payment of the full fee. The three-month time period is not extendable under § 1.136. 37 C.F.R. § 1.28(a). Filing Fee Calculation (50% of A, B or C above) \$ 375.00

12. Request for International-Type Search (37 C.F.R. § 1.104(d))

(complete, if applicable)

Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

13. Fe	e l	Payr	n nt Being Mad at This Time	•
[Not	Enclosed	
			No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § subsequently.)	1.16(e) can be paid
Ē	X	Enc	losed	
		X	Filing fee	\$ 375.00
			Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)	\$
			Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))	\$
			For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))	\$
			Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))	\$
			Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))	\$
NOTE:	fai 37 eit	iling to 7 C.F.I ther th	R. § 1.21(I) establishes a fee for processing and retaining any appli o complete the application pursuant to 37 C.F.R. § 1.53(f) and thin R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefing the basic filing fee must be paid, or the processing and retention fer I year from notification under § 53(f).	s, as well as the changes to it of a prior U.S. application,
			Total fees enclosed	\$ 375.00
14. M	eth	od (of Payment of Fees	
[X	Atta	ached is a 🛛 check 🔲 money order in the amount o	f\$_375.00
		Aut	horization is hereby made to charge the amount of S	\$
			to Deposit Account No.	
			to Credit card as shown on the attached credit card tion form PTO-2038.	information authoriza-
WARN	ING	: Cn	edit card information should no t be included on this form as it m	ay become public.
C			arge any additional fees required by this paper or cr he manner authorized above.	redit any overpayment
			A duplicate of this paper is attached.	

15. Authorization to Charge Additional Fees WARNING: If n fees are to be paid on filing, the following items should not be completed. WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized. WARNING: Even though small entity status is accorded where the wrong type of small entity basic filing fee or basic national fee is selected but the exact amount of the fee is paid, applicant still needs to pay the correct small entity amount for the basic filing or basic national fee where selection of the wrong type of fee results in a deficiency. While an accompanying general authorization to charge any additional fees suffices to pay the balance due of the proper small entity basic filing or basic national fee, specific authorizations to charge fees under § 1.17 or extension of time fees do not suffice to pay any balance due of the proper small entity basic filing or basic national fee because they do not actually authorize payment of small entity amounts. Changes To Implement the Patent Business Goals; Final Rule [Fed. Reg.: September 8, 2000, pages 54603-54683, at 54611; OG: October 3, 2000, pages 14-39]. ☐ The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application. ☐ 37 C.F.R. § 1.16(a), (f) or (g) (filling fees) 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims) NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

□ 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☐ 37 C.F.R. § 1.17(a)(1)—(5) (extension fees pursuant to § 1.136(a)).

☐ 37 C.F.R. § 1.17 (application processing fees)

NOTE: ". . . A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Section 1.311(b) provides that an authorization to charge the issue fee (§ 1.18) to a deposit account may be filed in an individual application only after the mailing of the notice of allowance. Accordingly, general authorizations to pay fees and specific authorizations to pay the issue fee that are filed prior to the mailing of a notice of allowance will generally not be treated as requesting payment of the issue fee and will not be given effect to act as a reply to the notice of allowance. Applicant, when paying the issue fee, should submit a new authorization to charge fees, such as by completing box 6b on the current PTOL-85B form. Where no reply to the notice of allowance is received, the application will stand abandoned notwithstanding the presence of general authorizations to pay fees or a specific authorization to pay the issue fee that were submitted prior to mailing of the notice of allowance. Where an attempt is made to pay the issue fee but an incorrect amount is submitted, § 1.311(b)(1), or where the Office's issue fee transmittal form (currently PTOL-85(B)) is completed by applicant and submitted, § 1.311(b)(2), in reply to a notice of allowance, an exception will be made. Such submissions will operate as a request to charge the issue fee to any deposit account identified in a previously filed (i.e., submitted prior to the mailing of the notice of allowance) authorization to charge fees, and will be allowed to act as payment of the correct issue fee. § 1.311(b). See also the change to § 1.26(b). Notice of September 8, 2000, Fed. R g. 54603-54683, at 54646 and 54647.

NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time f paying, . . . the issue fee. . . " From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

16. Instructi ns as to Overpayment

NOTE:	8	. Amounts of twenty-five dollars or less will not be returned unless specifically requested within reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may a returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).
]	Credit Account No
Σ	3	Refund

	Lobratcharles the
Reg. No. 20 903	SIGNATURE OF PRACTITIONER
Neg. No. 20 303	Robert Charles Hill
Tel. No. (415) 421-2080	(type or print name of attorney)
161. NO. (415) 421-2080	235 Montgomery Street #821
	P.O. Address
Customer No.	San Francisco, CA 94104

Incor	poration by reference of added pages
pi st th	heck the following item if the application in this transmittal claims the benefit of rior U.S. application(s) (including an international application entering the U.S. age as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF RIOR U.S. APPLICATION(S) CLAIMED)
X	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
	Number of pages added7
	Plus Added Pages for Papers Referred to in Item 4 Above
	Number of pages added
	Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.
	Number of pages added
	Plus "Assignment Cover Letter Accompanying New Application"
	Number of pages added
State	ment Where No Further Pages Added
	no further pages form a part of this Transmittal, then end this Transmittal with is page and check the following item)
	This transmittal ends with this page.
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ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

(37 C.F.R. § 1.78)

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. § 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. § 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. § 119, 365(a) or 365(b).) For a c-l-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

Amend the specification by inserting, before the first line following the title, the following sentence:

A. 35 U.S.C. § 119(e)

NOTE: 37 C.F.R. § 1.78(a)(4) and (5):

"(4) A nonprovisional application, other than for a design patent, or an international application designating the United States of America may claim an invention disclosed in one or more prior-filed provisional applications. In order for an application to claim the benefit of one or more prior-filed provisional applications, each prior-filed provisional application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least one claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed provisional application must be entitled to a filing date as set forth in § 1.53(c), and the basic filing fee set forth in § 1.16(k) must be paid within the time period set forth in § 1.53(g).

- "(5)(i) Any nonprovisional application or intemational application designating the United States of America claiming the benefit of one or more prior-filed provisional applications must contain or be amended to contain a reference to each such prior-filed provisional application, identifying it by the provisional application number (consisting of series code and serial number).
 - (ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed provisional application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed provisional application. These time periods are not extendable. Except as provided in paragraph (a)(6) of this section, the failure to timely submit the reference is considered a waiver of any benefit under 35 U.S.C. 119(e) to such prior-filed provisional application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
 - (B) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
 - (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be am nded to contain such reference in the first sentence following the title."

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4]

	* *	ns th benefit of I	U.S. Provisional Application FILING DATE	on(s) No(s).:
		/	n	
		/		
		/	· 11	
WARNING	than English and an Engli statement that the transle application or the later-file of time within which to file provisional application and application, failure to time	lish-language translation is accurate were ad nonprovisional applice an English-language d a statement that the telly reply to such a noting the such a noting the such a statement that the telly reply to such a noting the such a statement that the such a noting to such a noting the such a	visional application was filed in on of the prior-filed provisional a not previously filed in the prior cation, applicant will be notified a translation of the non-English-later translation is accurate. In a pendice will result in abandonment of visional Application	application and a r-filed provisional und given a period nguage prior-filed ng nonprovisional
			• •	
(S	upply information for e	each provisional w	hose benefit is being cla	imed)
The above	identified prior filed p	provisional applica	tion whose benefit is beir	ng claimed
	was filed in the Englis	sh language		
			sh and an English translat te was filed in the provision	
	was filed in a language	e other than Engli	sh and an English translat	ion along with

B. 35 U.S.C. Sections 120, 121 and 365(c)

WARNING: The applicable provisions for the time and manner of claiming the benefit of a prior U.S. application filing date are set forth in 37 C.F.R. § 1.78(a)(1) and (2) as follows:

"(a)(1) A nonprovisional application or international application designating the United States of America may claim an invention disclosed in one or more prior-filed copending nonprovisional applications or international applications designating the United States of America. In order for an application to claim the benefit of a prior-filed copending nonprovisional application or international application designating the United States of America, each prior-filed application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least one claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed application must be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
 - (ii) Complete as set forth in § 1.51(b); or
- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4]

—page 2 of 8)

- (2)(i) Except for a continued prosecution application filed under § 1.53(d), any n nprovisional application r international application designating the United States of Am rica claiming the benefit of one or more prior-filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain a reference to each such prior-filed application, identifying it by application number (consisting of the series code and serial number) r international application number and international filing date and indicating the relationship of the applications. Cross references to other related applications may be made when appropriate (see § 1.14).
 - (ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and paragraph (a)(2)(i) of this section is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application for a design patent;
 - (B) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
 - (C) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
 - (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.
 - (iv) The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior-filed application. The identification of an application by application number under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number."

X	"Th	is application is a				
		continuation				
	\mathbf{X}	continuation-in-part				
		divisional				
of cop	enc	ding application(s)				
	X	application number 09_779_771	_ filed on ${}^{ m Feb}$.	8,	2001	_"
		International Applicationwhich designated the U.S."			<u> </u>	_ and
NOTE		he proper reference to a prior filed PCT application that e erial number and the filing date of the PCT application th			hase is th	e U.S
NOTE	tl	 Where the application being transmitted adds subject nee filing can be as a continuation-in-part or (2) if it is desire an be as a continuation. 				
	(Added Pages for Application Transmittal Where Benefit of	of Prior U.S. Applicat	ion(s)	Claimed —page :	•

	"Th nonprovisional application desig	nated abov , namely application, claims the benefit of U.S.
	Provisional Application(s) No(s).:	
	APPLICATION NO(S).:	FILING DATE
		27
C. Put	lication of International Application—Pr	ovisional Application
NOTE: 3	U.S.C. 154 Contents and term of patent; provisiona	al rights.
	(d)(4) REQUIREMENTS FOR INTERNATIONAL AP	
	(A) EFFECTIVE DATE.—The right under paragraph the publication under the treaty defined in section 3 the United States shall commence on the date on a a copy of the publication under the treaty of the inte the treaty of the international application is in a language.	351(a) of an international application designating which the Patent and Trademark Office receives mational application, or, if the publication under guage other than English, on the date on which
The inte	rnational application corresponding to the	instant application
	was	
	was not	
ublished	under PCT Article 21(2) in the English lan	nguage.
	An English translation of the international	l application is attached.
8. Rela	te Back—35 U.S.C. § 119 Priority Claim	for Prior Application
NOTE: 3	7 C.F.R. § 1.55 Claim for foreign priority.	
	"(a) An applicant in a nonprovisional application may more prior foreign applications under the conditions (f), 172, and 365(a) and (b).	ay claim the benefit of the filing date of one or s specified in 35 U.S.C. 119(a) through (d) and
	(1)(i) In an original application filed under 35 U.S.C. during the pendency of the application, and within date of the application or sixteen months from the time period is not extendable. The claim must idealized, as well as any foreign application for the before that of the application for which priority is country (or intellectual property authority), day, managraph does not apply to an application for a	In the later of four months from the actual filing e filing date of the prior foreign application This entify the foreign application for which priority is e same subject matter and having a filing date claimed, by specifying the application number, enth, and year of its filing. The time period in this design patent.
	compliance with 35 U.S.C. 371, the claim for pr	I stage from an international application after iority must be made during the pendency of the attention the PCT and the Regulations under the PCT."
	(2) The claim for priority and the certified copy of 119(b) or PCT Rule 17 must, in any event, be file priority or the certified copy of the foreign applica- it must be accompanied by the processing fee set the priority claim unless corrected by a certificate	ed before the patent is granted. If the claim for ation is filed after the date the issue fee is paid, t forth in § 1.17(i), but the patent will not include
	Added Pages for Application Transmittal Where Ben	nefit of Prior U.S. Application(s) Claimed [4-1.4] —page 4 of 8)

C	Count	y	Appln. No.	Filed
Th	e cei	tified copy(ies) has (have)		
		been filed on which was filed on	, in prior application 0 /_	 ,
		is (are) attached.		
	RNING	the International Bureau may not application in the continuing a application communicated by the aU.S. serial number unless the number is stage is not entered. Therefore, prosecution of a continuing application of a continuing application of the folders and to request transfer, retrieve the function of the priority documents in folders and stage may not be relied on. No	ty application that may have been commit be relied on without any need to file a cell application. This is so because the certification. This is so because the certification of the International Bureau is placed in a foliational stage is entered. Such folders are consumed to such certified copies may not be available of the certification. An alternative would be to physication. An alternative would be to physication. An alternative would be to physication. An alternative continuing application are recorded in the Continuing Application are restricted of April 28, 1987 (1079 O.G. 32 to a strict of April 28, 1987 (1079 O.G. 32 to a	rtified copy of the priority fied copy of the priority lder and is not assigned disposed of if the national ble if needed later in the ically remove the priority in The resources required asfer the certified copies, substantial. Accordingly, not entered the national
19.		itenance of Copendency o		
NOT	re	he PTO finds it useful if a copy of esponse is filed with the papers of ovember 5, 1985 (1060 O.G. 27).	the petition filed in the prior application constituting the filing of the continuation	extending the term for application. Notice of
A.	X	Extension of time in prior a	application	
(TŦ	nis ite 道 区	period set in the Notice A petition, fee and response until July 20, 2003	the papers filed in the prior application has run.) or APPEAL e extends the term in the pendir and Notice of APPEA I in prior application is attached.	ng prior application k ←
В.			ension of Time in Prior Applicati	
			, if previous item not applicable)	
			or extension of time is being filed in	
		☐ A copy of the condition	nal petition filed in the prior appl	ication is attached.
	(Δ	dded Pages for Application Traper	nittal Where Benefit of Prior U.S. Applica	ation(s) Clair - 1 to 4 as

-page 5 of 8)

20.	Furt	hrl	nv ntorship Statement Wh re Benefit of Pri r Application(s) Claim d	
			(complete applicable item (a), (b) and/or (c) b low)	
(a)		application whose particulars are set out above and the inventor(s) in application are		
			the same.	
			less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:	
			(type name(s) of inventor(s) to be deleted)	
(b)	X	a n	s application discloses and claims additional disclosure by amendment and ew declaration or oath is being filed. With respect to the prior application, inventor(s) in this application are	
		X	the same.	
			the following additional inventor(s) have been added:	
			(type name(s) of inventor(s) to be deleted)	
(c)	X	The	inventorship for all the claims in this application are	
		\mathbf{x}	the same.	
			not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made	
			is submitted.	
			will be submitted.	
21.	Aba	ndor	nment of Prior Application (if applicable)	
	X	per is g	ease abandon the prior application at a time while the prior application is anding, or when the petition for extension of time or to revive in that application granted, and when this application is granted a filing date, so as to make this olication copending with said prior application.	
NO	1	oart ap revive	ting to the Notice of May 13, 1983 (103, TMOG 6-7), the filing of a continuation or continuation-in- polication is a proper response with respect to a petition for extension of time or a petition to and should include the express abandonment of the prior application conditioned upon the g of the petition and the granting of a filing date to the continuing application.	
22.			for Suspension of Prosecution for the Time Necessary to File an	
WA	RNIN	w ar ea in	The claims of a new application may be finally rejected in the first Office action in those situations where (A) the new application is a continuing application of, or a substitute for, an earlier application, and (B) all the claims of the new application (1) are drawn to the same invention claimed in the arrier application, and (2) would have been properly finally rejected on the grounds of art of record the next Office action if they had been entered in the earlier application." M.P.E.P. § 706.07(b), the ed.	
NO		and fo	it is possible that the claims on file will give rise to a first action final for this continuation application r some reason an amendment cannot be filed promptly (e.g., experimental data is being gathered) be desirable to file a petition for suspension of prosecution for the time necessary.	
			(check the next item, if applicable)	
			s provided herewith a Petition To Suspend Prosecution for the Time Necessary An Amendment (New Application Filed Concurrently)	
		(Adde	d Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4]	

23.	Small Entity (37 C.F.H. § 1.28(a))				
	X	Applicant has stablished small entity status by the filing of a statement in parent application09 _/779771 onMarch8,200_1			
	∇	A copy of the statement previously filed is included.			
WAR	NING	: See 37 C.F.R. § 1.28(a).			
WAR	NING	"Small entity status must not be established when the person or persons signing the statement can unequivocally make the required self-certification." M.P.E.P. § 509.03, 7th ed. (emphasis added).			
24. I	NOT	FICATION IN PARENT APPLICATION OF THIS FILING			
	A notification of the filing of this				
		(check one of the following)			
		continuation			
		☐ divisional			
is beir U.S.C	Ξ.	ed in the parent application, from which this application claims priority under 35			